THE QUARTERLY JOURNAL OF EXPERIMENTAL PSYCHOLOGY

Volume 31 1979

Editor
N. J. Mackintosh

Associate Editors
O. J. Braddick
M. Coltheart
A. Dickinson
M. P. Haggard
L. Henderson
L. J. Herberg
S. Monsell
N. Moray
N. O'Connor
A. J. Sanford
L. H. Shaffer
N. S. Sutherland
P. C. Wason

PUBLISHED FOR THE EXPERIMENTAL PSYCHOLOGY SOCIETY BY ACADEMIC PRESS LONDON NEW YORK SAN FRANCISCO

?351

Copyright © 1979 by The Experimental Psychology Society

ALL RIGHTS RESERVED

No part of this volume may be reproduced in any form, by photostat, microfilm, or any other means, without written permission from the publishers.

Printed in Great Britain by Heffers Printers Ltd, Cambridge

VOLUME 31

Number 1, February 1979

Cowey, A., Cortical maps and visual perception. The Grindley Memorial Lecture 1

Feldon, J., Guillamon, A., Gray, J. A., De Wit, H. and McNaughton, N., Sodium amylobarbitone and responses to nonreward 19

St. Claire-Smith, R. J., The overshadowing and blocking of punishment 51

Timney, B. N., Emerson, V. F. and Dodwell, P. C., Development of visual stimulus-seeking in kittens 63

Sherrick, M. F., Brunner, R. L., Roth, T. G. and Dember, W. N., Rats' sensitivity to their direction of movement and spontaneous alternation behaviour 83

van der Molen, M. W. and Keuss, P. J. G., The relationship between reaction time and intensity in discrete auditory tasks 95

Frith, C. D. and Lang, R. J., Learning and reminiscence as a function of target predictability in a two-dimensional tracking task 103

Buck, L., The sensory basis of target location 111

Stirling, N., Stroop interference: an input and an output phenomenon .. 121

Wilton, R. N., Knowledge of spatial relations: the specification of the information used in making inferences 133

Byrne, R. W., Memory for urban geography 147

Sigman, E., Goodenough, D. R. and Flannagan, M., Instructions, illusory self-tilt and the rod-and-frame test 155

Book Reviews 167

Proceedings of the Experimental Psychology Society i

Members of the Experimental Psychology Society vii

Number 2, May 1979

Parkin, A. J., Specifying levels of processing 175

Eelen, P. and D'ydewalle, G., Information processing by performers and observers in a paired associate learning task 197

Garnham, A., Instantiation of verbs 207

Rees, O. A., Language organization and language change in bilinguals .. 215

Moore, B. C. J. and Rosen, S. M., Tune recognition with reduced pitch and interval information 229

Von Collani, G., An analysis of illusion components with L and ⊥ figures in active touch 241

Hulme, C., The interaction of visual and motor memory for graphic forms following tracing 249

Young, A. W. and Ellis, A. W., Perception of numerical stimuli felt by fingers of the left and right hands 263

Cavonius, C. R., Binocular interactions in flicker 273

Yates, J. and Thul, N., Perceiving surprising words in an unattended auditory channel 281

Prinz, W., Integration of information in visual search 287

Rabbitt, P., Cumming, G. and Vyas, S. Modulation of selective attenuation by sequential effects in visual search tasks 305

Jorm, A. F., Sex differences in the reading process revealed by a letter-detection task 319

Mullins, G. P. and Winefield, A. H., The relative importance of responses to S+ and S— in simultaneous discrimination learning 329

Glow, P. H. and Winefield, A. H., Control over sensory change versus sensory state preference in sensory contingent bar pressing 339

Book Reviews 349

Number 3, August 1979

Bruce, V., Searching for politicians: an information-processing approach to face recognition 373

Tversky, B., Pictorial representations in adults and children 397

O'Loughlin, B. J., The cross-modal matching of brightness to loudness by children 409

Jonides, J., Left and right visual field superiority for letter classification .. 423

Rabbitt, P., Cumming, G. and Vyas, S., Improvement, learning and retention of skill at visual search 441

Folkard, S. and Monk, T. H., Time of day and processing strategy in free recall 461

NEWSTEAD, S. E. and DENNIS, I., Lexical and grammatical processing of unshadowed messages: a re-examination of the Mackay effect 477

COLTHEART, M., BESNER, D., JONASSON, J. T. and DAVELAAR, E., Phonological encoding in the lexical decision task 489

RUDDLE, H., BRADSHAW, C. M., SZABADI, E. and BEVAN, P., Behaviour of humans in concurrent schedules programmed on spatially separated operanda 509

MACKINTOSH, N. J. and REESE, B., One-trial overshadowing 519

GALVANI, P. F., Feedback in discriminative avoidance learning: mechanistic versus cognitive views 527

MORRIS, R. G. M., The necessity and justification for cognitive concepts in animal learning: a reply to Galvani 535

WELFORD, A. T., Comment on the paper "What does a man do after he makes an error? An analysis of response programming" by Patrick Rabbitt and Bryan Rodgers 539

RABBITT, P. and RODGERS, B., "The last of the old lag?" A reply to Welford's comment on Rabbitt and Rodgers 543

BOOK REVIEWS 549

NUMBER 4, NOVEMBER 1979

HOLMES, V. M., Accessing ambiguous words during sentence comprehension 569

WASON, P. C. and REICH, S. S., A verbal illusion 591

SCHUBERTH, R. E., SPOEHR, K. T. and HAERTEL, R. J., Solving anagrams: category priming and the differential availability of category solutions .. 599

LE VOI, M. E. and RAWLES, R. E., Backward recognition failure: a case of retrieval success 609

FOLKARD, S., Changes in immediate memory strategy under induced muscle tension and with time of day 621

TAYLOR, D. H. and BLEZARD, P. N., The effects of smoking and urinary pH on a detection task 635

ANNETT, J., ANNETT, M., HUDSON, P. T. W. and TURNER, A., The control of movement in the preferred and non-preferred hands 641

FELDON, J. and GRAY, J. A., Effects of medial and lateral septal lesions on the partial reinforcement extinction effect at one trial a day 653

FELDON, J. and GRAY, J. A., Effects of medial and lateral septal lesions on the partial reinforcement extinction effect at short inter-trial intervals .. 675

EISENBERGER, R., CARLSON, J. and FRANK, M., Transfer of persistence to the acquisition of a new behaviour 691

SLUCKIN, W., BERRYMAN, J. C., MAYES, A. and MANN, D., Chicks' responses to familiar stimuli in unfamiliar environments 701

MILLER, G. A. and MILLER, K., Critical notice—John Lyons on semantics 711

BOOK REVIEWS 737

Author Index

ANNETT, J., with ANNETT, M., HUDSON, P. T. M. and TURNER, A. . 641
BRUCE, V. 373
BUCK, L. 111
BYRNE, R. W. 147
CAVONIUS, C. R. 273
COLTHEART, M., with BESNER, D., JONASSON, J. T. and DAVELAAR, E. . 489
COWEY, A. 1
EELEN, P., with D'YDEWALLE, G. 197
EISENBERGER, R., with CARLSON, J. and FRANK, M. 691
FELDON, J., with GRAY, J. A. 653
FELDON, J., with GRAY, J. A. 675
FELDON, J., with GUILLAMON, A., GRAY, J. A., DE WIT, H. and MCNAUGHTON, N. 19
FOLKARD, S. 621
FOLKARD, S., with MONK, T. H. 461
FRITH, C. D., with LANG, R. J. 103
GALVANI, P. F. 527
GARNHAM, A. 207
GLOW, P. H., with Winefield, A. H. 339
HOLMES, V. M. 569
HULME, C. 249
JONIDES, J. 423
JORM, A. F. 319
LE VOI, M. E., with RAWLES, R. E. 609
MACKINTOSH, N. J., with REESE, B. 519
MILLER, G. A., with MILLER, K. 711
MOORE, B. C. J., with ROSEN, S. M. 229
MORRIS, R. G. M. 535

MULLINS, G. P., with WINEFIELD, A. H. 339
NEWSTEAD, S. E., with DENNIS, I. 477
O'LOUGHLIN, B. J. 409
PARKIN, A. J. 175
PRINZ, W. 287
RABBITT, P., with CUMMING, G. and VYAS, S. 441
RABBITT, P., with CUMMINGS, G. and VYAS, S. 305
RABBITT, P., with RODGERS, B. 543
REES, O. A. 215
RUDDLE, H., with BRADSHAW, C. M., SZABADI, E. and BEVAN, P. . . 509
SCHUBERTH, R. E., with SPOEHR, K. T. and HAERTEL, R. J. . . . 599
SHERRICK, M. F., with BRUNNER, R. L., ROTH, T. G. and DEMBER, W. N. . 83
SIGMAN, E., with GOODENOUGH, D. R. and FLANNAGAN, M. . . . 155
ST. CLAIRE-SMITH, R. V. 51
STIRLING, N. 121
SLUCKIN, W., with BERRYMAN, J. C., MAYES, A. and MANN, D. . . 701
TAYLOR, D. H., with BLEZARD, P. N. 635
TIMNEY, B. N., with EMERSON, V. F. and DODWELL, P. C. . . . 63
TVERSKY, B. 397
VAN DER MOLEN, M. W., with KEUSS, P. J. G. 95
VON COLLANI, G. 241
WASON, P. C., with REICH, S. S. 591
WELFORD, A. T. 539
WILTON, R. N. 133
YATES, J., with THUL, N. 281
YOUNG, A. W., with ELLIS, A. W. 263